

TROPICAL CYCLONE 23-82

The initial stages of Tropical Cyclone 23-82's development were characterized by a persistent upper-level anticyclone and a weak surface disturbance associated with a broad area of convection. Initially detected on 9 October, JTWC tracked a westward-moving surface circulation from the Gulf of Thailand across the Malay Peninsula. Little development was evident from synoptic or satellite data as the system entered the southern Bay of Bengal. On 13 October, convection began to increase and show signs of organization while the system moved west of the Andaman Islands. A Tropical Cyclone Formation Alert was issued at 130600Z when satellite imagery revealed that the system's convection had organized under a more distinctly defined upper-level anticyclone. Late on 14 October satellite imagery showed that a strong central convective feature had developed and that upper-level outflow had increased. Based on these data, and the

expectation of further development, the initial warning was issued at 141400Z for Tropical Cyclone 23-82.

The forecast tracks issued throughout Tropical Cyclone 23-82's lifespan anticipated movement toward the west-northwest in response to a mid-level steering current induced by a subtropical ridge centered over Burma. Tropical Cyclone 23-82 proved to be a "well-behaved" system and followed the forecast track toward the east coast of India. While in warning status Tropical Cyclone 23-82 gradually intensified and reached a peak intensity of 50 kt (26 m/sec) six hours prior to landfall. At approximately 161200Z, Tropical Cyclone 23-82 passed 35 nm (65 km) south of Kakinada, India (WMO 43189) with observed maximum sustained winds of 20 kt (10 m/sec). From Kakinada, Tropical Cyclone 23-82 proceeded inland and gradually dissipated.

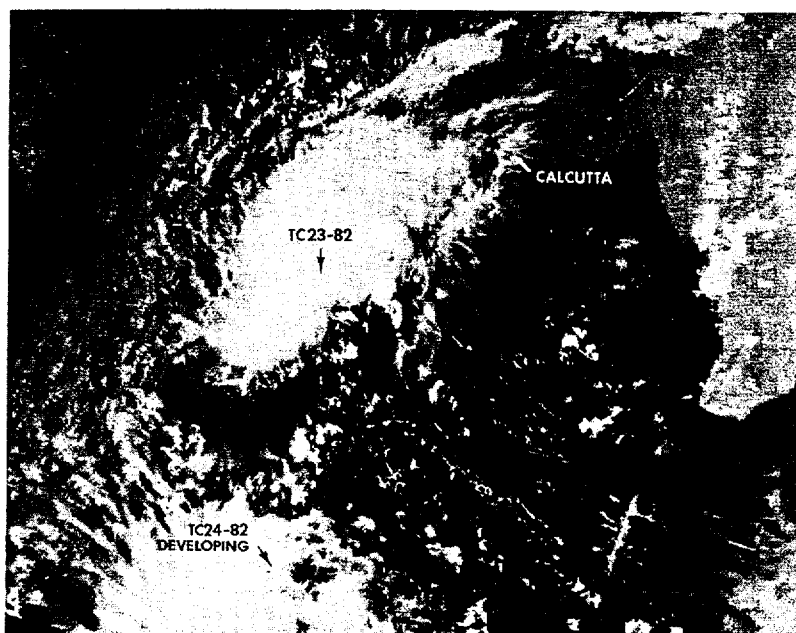


Figure 3-31-1. Tropical Cyclone 23-82 near landfall along the east coast of India with surface winds near 45 kt (23 m/sec). Tropical Cyclone 24-82 can be seen in its formative stages near Sri Lanka, 160856Z October (NOAA 7 visual imagery from AFGWC Offutt AFB, Nebraska).